

Date: Thu, 3 Mar 94 04:30:09 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #229  
To: Info-Hams

Info-Hams Digest                      Thu, 3 Mar 94                      Volume 94 : Issue 229

Today's Topics:

   5 by 5...  
    Daily Summary of Solar Geophysical Activity for 28 February  
        Have a say about ARRL policy  
        IPS Daily Report 28 02 94  
        Satellite progs on World  
            subscribe  
    Thanks for get-well QSL's to N3AKP!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 2 Mar 1994 11:42:10 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!mailer.acns.fsu.edu!freenet3.scri.fsu.edu!  
freenet2.scri.fsu.edu!michaela@network.ucsd.edu  
Subject: 5 by 5...  
To: info-hams@ucsd.edu

The report 5x5 and the report 5x9 mean the same thing: "loud  
and clear."

The 5x5 report is from a system of signal reporting that amateur  
radio operators simply do not use anymore. The hams of the world  
evidently prefer the more expanded 5x9 system; possibly the  
commerical folks (aircraft conrollers, etc.) prefer the shorter  
version..I dunno for sure.

Anyway, when I was first introduced to amateur radio, short wave

Michael Christie, K7RLS  
Crawfordville, Florida

NOTE: The Effective Sunspot Number for 27 FEB 94 was 39.7.  
The Full Kp Indices for 27 FEB 94 are: 1o 2- 3- 3+ 2+ 1+ 2- 0+  
The 3-Hr Ap Indices for 27 FEB 94 are: 4 6 12 19 9 5 6 2

Greater than 2 MeV Electron Fluence for 28 FEB is: 1.4E+08

## SYNOPSIS OF ACT

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Solar activity was very low. Region 7680 (S12E52) is currently the largest group on the disk at 170 millionths and is showing some growth. New Region 7682 (S19E01) emerged today as a small C-type region.

Solar activity forecast: solar activity is expected to be low.

The geomagnetic field was mostly quiet for the past 24 hours. A period of unsettled to active conditions was observed from 0600-1200Z.

Geophysical activity forecast: the geomagnetic field is expected to be unsettled with occasional active periods over the next three days due to the favorable position of a coronal hole.

### Event probabilities 01 mar-03 mar

Class M	05/05/05
Class X	01/01/01
Proton	01/01/01
PCAF	Green

### Geomagnetic activity probabilities 01 mar-03 mar

A. Middle Latitudes	
Active	25/20/20
Minor Storm	10/10/10
Major-Severe Storm	01/01/01

B. High Latitudes	
Active	25/25/25
Minor Storm	15/15/15
Major-Severe Storm	05/05/05

HF propagation conditions were normal over all regions. Similar conditions are expected on 01 March before minor signal degradation occurs over the high latitude regions during 02 and 03 March.

# COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

## REGIONS WIT

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7678	S14E23	047	0080	CS0	04	005	BET	
7679	N02W17	087	0010	HRX	01	002	ALPHA	
7680	S12E52	018	0170	DAO	06	011	BET	
7682	S19E01	069	0030	CRO	05	006	BET	
7675	S11W39	109					PLAGE	
7676	N08W25	095					PLAGE	
7677	N11W86	156					PLAGE	
7681	S13W31	101					PLAGE	

## REGIONS DUE TO RET

NMBR LAT

NONE

## LISTING OF SOLAR ENERGETIC EVENTS FOR 28 FEBRUARY, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
NONE									

## POSSIBLE CORONAL MASS EJECTION EVENTS FOR 28 FEBRUARY, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
NO EVENTS OBSERVED								

## INFERRED CORONAL HOLES. LOCATIONS VALID AT 28/2400Z

ISOLATED HOLES AND POLAR EXT									
	EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
65	S27W23	S27W23	S14W53	S10W39	116	ISO	POS	004	10830A
67	S50E87	S50E87	S34E22	S29E57	018	ISO	NEG	021	10830A

## SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
27 Feb:	0354	0358	0401	B1.9						
	0426	0434	0449	B6.1						
	0719	0724	0729	B2.7						
	0825	0920	0951	M2.8				120	55	44

1536	1539	1542	B6.1	SF	7680	S14E71
1648	1657	1706	B4.1			
2024	2031	2040	B4.5			

# REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
	--	--	--	--	--	--	--	--	---	-----
Region 7680:	0	0	0	1	0	0	0	0	001	(14.3)
Uncorrelated:	0	1	0	0	0	0	0	0	006	(85.7)

Total Events: 007 optical and x-ray.

## EVENTS WIT

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
-----	-----	-----	-----	-----	--	-----	-----	-----
27 Feb:	0426	0434	0449	B6.1				III
	0825	0920	0951	M2.8				Continuum

## NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

\*\* End of Daily Report \*\*

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Date: Wed, 2 Mar 1994 18:25:28 GMT  
From: ihnp4.ucsd.edu!mvp.saic.com!news.cerf.net!usc!elroy.jpl.nasa.gov!swrinde!  
sgiblab!wetware!spunky.RedBrick.COM!psinnntp!psinnntp!arrl.org!  
ehare@network.ucsd.edu  
Subject: Have a say about ARRL policy  
To: info-hams@ucsd.edu

Dan Pickersgill (dan@mystis.wariat.org) wrote:

: ehare@arrl.org (Ed Hare (KA1CV)) writes:

: > I also suggest that all hams with an opinion or suggestion about a  
: > policy matter make their views known to their Division Director.  
: > The Division Directors are listed on page 8 of any recent QST.  
: > You can also usually find your Division Director at most major hamfests  
: > or ARRL Conventions.

: Ours has even been at the last 3 membership meetings of our club (must  
: have been that we have had some GREAT presentations lately). Can't beat  
: that for convenience, Ed.

Well, it sounds like, at least in your Division, the ARRL Director  
is quite accessible. It has been my experience that they all make  
themselves quite available to members and the ham community.  
On average, I think they give up about half of their weekends to  
get out in the real world and attend various events and functions --  
a lot more than I give up for the Greater Good of Amateur Radio. :-)

: (Please do not consider this an endorsement of the ARRL.) :)

Well, I don't consider pointing out a good thing we do to be an  
endorsement, nor do I consider pointing out a bad thing to be  
a blanket condemnation. An endorsement or condemnation is developed  
after evaluating the overall activity and performance of an  
organization. I imagine that many people base their choice to be,  
or not to be, a member on much the same thing. I will pose an  
interesting question, however: what \*would\* it take for you to  
endorse the ARRL? :-).

73 from ARRL HQ, Ed

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Ed Hare, KA1CV  
American Radio Relay League

ehare@arrl.org

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Date: Mon, 28 Feb 1994 23:27:53 GMT  
From: ihnp4.ucsd.edu!sdd.hp.com!think.com!cass.ma02.bull.com!syd.bull.oz.au!  
brahman!tmx!news.cs.su.oz.au!metro!ipso!rwc@network.ucsd.edu  
Subject: IPS Daily Report 28 02 94  
To: info-hams@ucsd.edu

IPS RADIO AND SPACE SERVICES AUSTRALIA  
Daily Solar And Geophysical Report  
Issued at 2330 UT 28 February 1994  
Summary for 28 February and Forecast up to 3 March  
No warning is current.  
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1A. SOLAR SUMMARY  
Activity: Very low

Flares: None

Observed 10.7 cm flux/Equivalent Sunspot Number : 093/038

1B. SOLAR FORECAST

	01 March	02 March	03 March
Activity	Low	Low	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 095/041

1C. SOLAR COMMENT  
None.  
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2A. MAGNETIC SUMMARY  
Geomagnetic field at Learmonth : quiet to unsettled

Estimated Indices :	A	K	Observed A Index 27 February
Learmonth	08	1-33 2122	
Fredericksburg	05		06
Planetary	06		07

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
01 Mar	08	Quiet to unsettled.
02 Mar	10	Quiet to unsettled.
03 Mar	20	Quiet to unsettled with an isolated active period.

## 2C. MAGNETIC COMMENT

None.

## 3A. GLOBAL HF PROPAGATION SUMMARY

### LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
28 Feb	normal	normal	normal

PCA Event : None.

## 3B. GLOBAL HF PROPAGATION FORECAST

### LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
01 Mar	normal	normal	normal
02 Mar	normal	normal	poor to fair
03 Mar	normal	normal	poor to fair

## 3C. GLOBAL HF PROPAGATION COMMENT

Conditions at high latitudes are expected to become degraded over the last two days of the forecast period.

## 4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were near predicted with 20-30% enhancements 08-19UT.

T index: 57

## 4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
01 Mar	50	Near predicted monthly values with enhancements to 25% during local night hours.
02 Mar	45	Near predicted monthly values.
03 Mar	45	Near predicted monthly values.

Predicted Monthly T Index for March is 40.

## 4C. AUSTRALIAN REGION COMMENT

None.

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IPS Regional Warning Centre, Sydney  
email: rwc@ips.oz.au  
tel: +61 2 4148329  
fax: +61 2 4148331

|IPS Radio and Space Services  
|PO Box 5606  
|West Chatswood NSW 2057  
|AUSTRALIA

Date: Wed, 2 Mar 1994 12:03:37 GMT

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!pipex!bbc!ant!

boyer@network.ucsd.edu

Subject: Satellite progs on World



To: info-hams@ucsd.edu

John Boyer (boyer@rd.eng.bbc.co.uk) wrote:

: Scott Ehrlich (wylz@netcom.com) wrote:

: : I have now placed some satellite tracking programs on World:

: : - stsplus.zip

: : - stsortbit.zip

: : - traksat {trak300a.zip & trak300b.zip} (latest version of traksat)

: : They are available via anonymous FTP via

: : ftp ftp.std.com:/pub/hamradio/pc/satellite

: Just a short comment. I have traksat and it is really great and dead easy  
: to use.

: John B

: John.boyer@rd.eng.bbc.co.uk

Sorry. Did I say traksat? I actually meant Satra version 1.0. That's the  
problem with all these sat tracking progs what to call them.  
I have played with tracksat 3 and I found it hard to drive.

John B

John.boyer@rd.eng.bbc.co.uk

-----  
Date: 3 Mar 94 04:59:39 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: subscribe  
To: info-hams@ucsd.edu

ve6gk interested in what you have to say!

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Date: 2 Mar 1994 13:49:04 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!udel!news.sprintlink.net!news.clark.net!  
andy@network.ucsd.edu  
Subject: Thanks for get-well QSL's to N3AKP!  
To: info-hams@ucsd.edu

I'd like to thank all of you who took the time to send Ron, N3AKP a "get well" QSL card. He's scheduled to be released from the hospital today, and will be delighted to find all those cards waiting for him!

He'll be recovering for about 6 weeks at home, so you can still send him a QSL if you'd like to; his address is Ron Nord, N3AKP, 3621 Halls Creek Lane, Owings, MD 20736.

73, andy-k4adl

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Date: 2 Mar 1994 08:09 EDT  
From: library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!news.kei.com!  
hookup!paladin.american.edu!zombie.ncsc.mil!cs.umd.edu!news.gsfc.nasa.gov!  
nssdca.gsfc.nasa.gov!@@ihnp4.ucsd.edu  
To: info-hams@ucsd.edu

References <2970520692.0.p01258@psilink.com>,  
<1994Feb17.144029.3459@ke4zv.atl.ga.us>,  
<rohvm1.mah48d-280294100619@136.141.220.39>a  
Subject : Re: Keyboards at testing sessions

In article <rohvm1.mah48d-280294100619@136.141.220.39>, rohvm1.mah48d@rohmmaas.com  
(John E. Taylor III) writes...

>In article <2kqtae\$cg5@news.delphi.com>, mahjmac@news.delphi.com  
>(MAHJMAC@DELPHI.COM) wrote:

>

>> It would seem to me that being allowed to use a keyboard doesn't conform  
>> to the whole reason CW is required. It is used on an international scale, and  
>> if you are ever in any type of emergency or spontaneous situation where you  
>> need to receive code with no keyboard, then you would be worthless.

>

>C'mon...even an old CW-forever type like me knows that the "purpose" of  
>copying Morse at the exam is \_to pass the exam\_. Some people, once they're  
>on the air, develop proficiency in copying (and fewer in sending :-))  
>Morse. Others don't. But as a VE I'm supposed to assure that an applicant  
>can copy Morse at the required speed, by his answering seven of a set of  
>ten questions. Head copy, pencil, typewriter, computer, stone and  
>chisel...as long as \_the applicant\_ can understand enough Morse to answer  
>the questions (it's been a long time since we had somebody give us a minute  
>of solid copy), he meets the FCC requirement.

>

>--

>73 de John Taylor W3ZID  
>rohvm1.mah48d@rohmmaas.com

Just couldn't resist adding to his thread. Copying by typewriter has been around for as long as there have been typewriters. Even the FCC when it gave the test would let you bring a typewriter. The computer is just the late 20th century typewriter. The object really is to demonstrate the ability to receive code at the required level. The mechanism by which you (as distinct from some computer program) write down the code is immaterial and not germane to the testing of code proficiency. Not even the FCC is requiring a handwriting proficiency test at a particular speed.

Erich  
N30XM

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End of Info-Hams Digest V94 #229

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